

Abstract

The present invention provides electroluminescent materials that emit very bright light with little energy consumption, little loss of energy converted into heat, etc., and
5 suffers from little deterioration due to long-term use, in particular, inorganic electroluminescent materials that emit blue to green light having a wavelength shorter than yellow.

Specifically, the present invention relates to the following three types of electroluminescent material:

10 (1) An electroluminescent material including an oxide having a perovskite-type crystal structure represented by General Formula RMO_3 , wherein R is at least one rare-earth element, and M is at least one member selected from the group consisting of Al, Mn, and Cr;

15 (2) an electroluminescent material including an oxide having a perovskite-type crystal structure represented by General Formula R_2CuO_4 , wherein R is at least one rare-earth element; and

(3) an electroluminescent material including an oxide having a perovskite-type crystal structure represented by General
20 Formula $\text{RZ}_2\text{Cu}_3\text{O}_6$, wherein R is at least one rare-earth element, and Z is at least one alkali-earth metal.